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WATER SUPPLY OUTLOOK FOR OREGON



U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

OREGON STATE UNIVERSITY and STATE ENGINEER of OREGON

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

JAN. 1, 1975

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

CONSERVATION OF WA

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR OREGON

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued

JANUARY 8, 1975

Issued by

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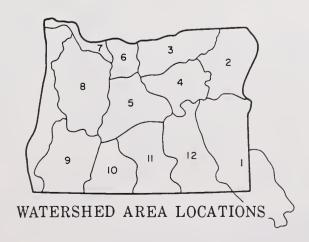
SOIL CONSERVATION SERVICE 1218 S W WASHINGTON ST PORTLAND, OREGON 97205

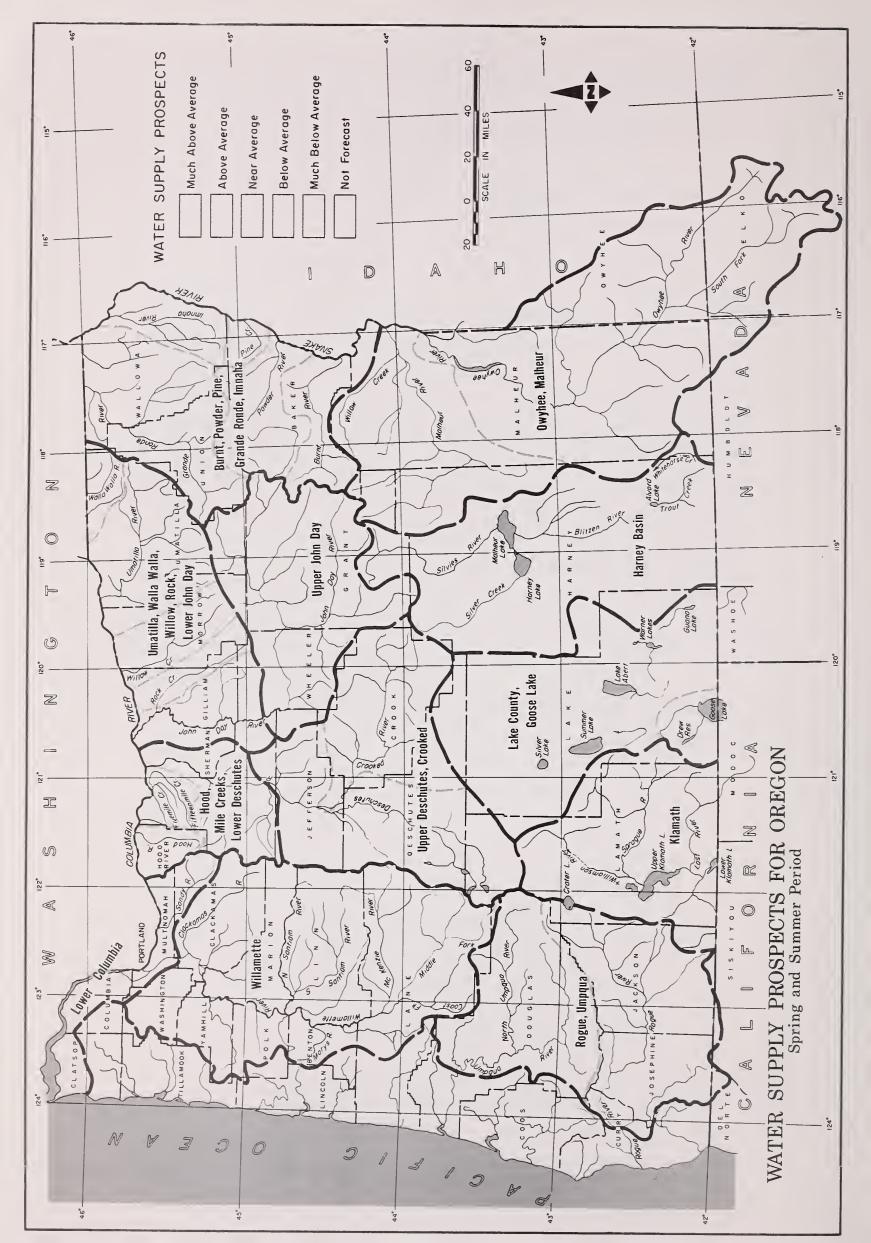


TABLE OF CONTENTS

PAGE

WAT	ER	SUPPLY	PROSP	ECTS FO	OR OR	EGON		• • • • •	(ма	Р)		. FAC	ING	PAGE	Ξ 1
WAT	ER	SUPPLY	OUTLO	OK FOR	OREG	ON	, ·		• • • • •		· · · · ·				. 1
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	Upp	ER DES	CHUTES	. Crook	ED									AREA	5
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WATER SUPPLY OUTLOOK for OREGON

JANUARY I, 1975

Near normal conditions of water supply is expected in most of Oregon next spring and summer. The snowpack is nearly average in most locations expect for the northern Cascades. Reservoir storage for January I is excellent.

SNOW COVER

Early season measurements in Oregon indicate the mountain snowpack is 90% to 110% of average except around Mt. Hood and on the Clackamas River where it is half of normal, and on the Powder River drainage where it is 70% of average. It is interesting to note that for the past 2 years the snowpack at Mt. Hood was record or near record.

PRECIPITATION

Precipitation during the September & October period was only 1/4 of the normal amount for this period and remained below normal throughout most of the state during November and December.

SOIL MOISTURE

As a result of the low precipitation received around the state, watershed soils are very dry and will detract from the coming snowmelt runoff.

RESERVOIR STORAGE

Twentyfour major irrigation reservoirs in Oregon are storing about 1,900,000 acre feet of water. This is 20% above average. Almost all are storing above normal amounts for January 1.

continued on next page -

STREAMFLOW

Streamflow for the water year to date (Oct-Dec.) has generally been much below average due to the low fall precipitation.

Representative streamflow for this period is as follows:

STREAM	October-December Flow % Avg., 1958-72
Owyhee Net Inflow	79
Chewaucan near Paisley	62
John Day at Service Creek	48
Willamette, Middle Fork below N. Fk.	86
Umpqua near Elkton	60
Rogue at Raygold	71
Klamath Lake net Inflow	93

This report contains data furnished by the Oregon State Engineer, U. S. Geological Survey, NOAA National Weather Service, and other cooperators.



WATER SUPPLY OUTLOOK OWYHEE, MALHEUR WATERSHEDS OREGON

as of

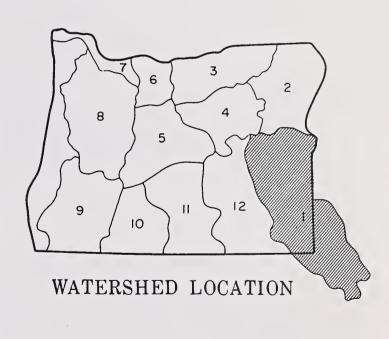
JANUARY 1, 1975

GENERAL OUTLOOK

THE GENERAL WATER SUPPLY OUTLOOK FOR THE OWYHEE, MALHEUR WATER-SHEDS IS AVERAGE TO ABOVE AVERAGE FOR THIS COMING SEASON'S USE. AS A RESULT OF LOW FALL PRECIPITATION, THE SOIL MOISTURE REMAINS BELOW AVERAGE, BUT THE SNOWPACK IS ABOVE AVERAGE AND RESERVOIR STORAGE RANGES FROM 112% OF NORMAL ON THE OWYHEE TO 157% ON THE MALHEUR WATERSHED.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow Period				
STREAM or AREA	Spring Season	Late Season			
Boulder Creek Bully Creek Cow Creek Jordan Creek Jordan Valley Irrig. Dist. McDermitt Creek Oregon Canyon Creek Owyhee Project Succor Creek Tenmile Creek Vale-Oregon Irrig. Dist. Warmsprings Irrig. Dist. Willow Creek (Reservoired)	Forecasts the Feb. which will sued about	begin in l report l be is-			



U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY......OREGON STATE ENGINEER

STREAMFLOW FORECASTS		THIS YEAR	3	PAST RECORD THOUSAND ACRE FEET		
	FORE	CAST	FORECAST			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Bully Creek at Warmsprings Malheur near Drewsey						
Malheur, North Fork at Beulah	N	ote: Fore	ecasts begin o	on Feb. 1, 19	75	
Owyhee Reservoir net Inflow m						
			•			

FORECAST DATE of LOW FLOW VALUES

DECEDVOID CTODACE (Thousand Ac Et)

TONEDAST DATE OF LOW	I LOW TAL			KEZEKANIK ZINK	AGE (THUUSAHU	AU. FL.	ENDOF	MONTH		
FORECAST POINT	Low Flow Stream Will Average Date of Low Flow			RESERVOIR	Usable	U	Usable Storage			
T GNZ GN T GNV	Second/Ft.	Recede to Low Flow Value	Value	RESERVOIR	Capacity	This Year	Last Year	Average		
Owyhee near Rome	1 report	s begin in which will ut Feb. 8,	l be is-	Antelope Beulah Reservoi Bully Creek Owyhee Warmsprings	70.0 60.0 30.0 715.0 191.0	1.8 21.6 10.9 410.1 115.3	2.8 18.8 8.9 434.6 29.7	6.2 ^m 17.8 10.4 363.2 65.6		

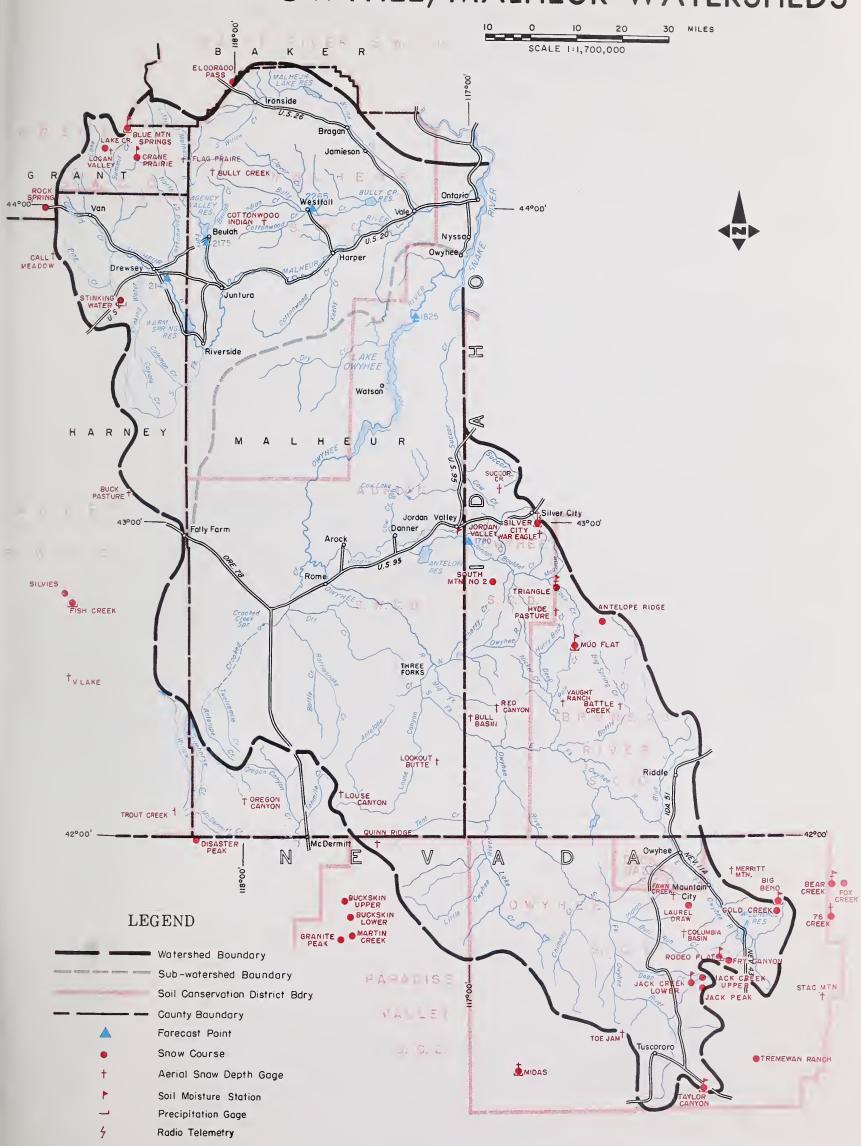
SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

				(COMPARISON WITH PREVIOUS YEARS)					
RIVER BASIN	Number	THIS YEAR'S as PERC	MOISTURE ENT OF:	RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT			
	Stations	Last Year	Average i	SUB-WATERSHED	Averaged	Last Year	Average i		
Malheur River Owyhee River	1 3	54 80	69 73	Jordan Creek Malheur River Owyhee River	2 4 4	43 52 56	107 107 117		
			-	-					

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72 adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (l) Ground measurement. (m) Average for 5 or more years in base

OWYHEE, MALHEUR WATERSHEDS





WATER SUPPLY OUTLOOK BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS OREGON

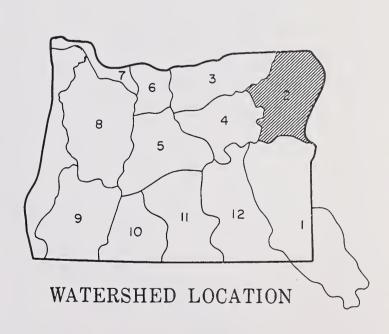
as of January 1, 1975

GENERAL OUTLOOK

WATER SUPPLIES SHOULD BE NEAR AVERAGE IN THE GRANDE RONDE, POWDER AND BURNT RIVER BASINS FOR THE COMING GROWING SEASON. THE SNOW-PACK IS ABOVE NORMAL ON THE GRANDE RONDE AND RANGES ON DOWN TO BELOW AVERAGE ON THE POWDER. RESERVOIR STORAGE IS ABOVE AVERAGE IN THE PRINCIPAL IRRIGATION RESERVOIRS. PRECIPITATION HAS BEEN MUCH BELOW NORMAL SINCE SEPTEMBER. AS A RESULT, WATERSHED SOILS ARE DRY AND WILL DETRACT SOME FROM THE SNOW MELT RUNOFF.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow Period				
STREAM or AREA	Spring Season	Late Season			
411 01		 			
Alder Slope	1				
Baker Valley					
Big Creek					
Clover Cr. (nr. N. Powder)					
Cove	F				
Durkee	Forecasts l	pegin in			
Eagle Valley	41- F 1 1				
Elgin	the Feb. 1	report			
Enterprise-Joseph	in the fall and 11	,			
Hereford-Bridgeport	which will	be is-			
Imnaha River	and shout	r-1 0			
LaGrande-Island City	sued about	red. 8,			
Lostine-Wallowa	1975				
No. Powder River-Wolf Creek	19/3				
Pine Valley					
Powder River-Elk Creek					
Summerville	1				
Sumpter Valley					
Union-Hot Lake					
Unity					



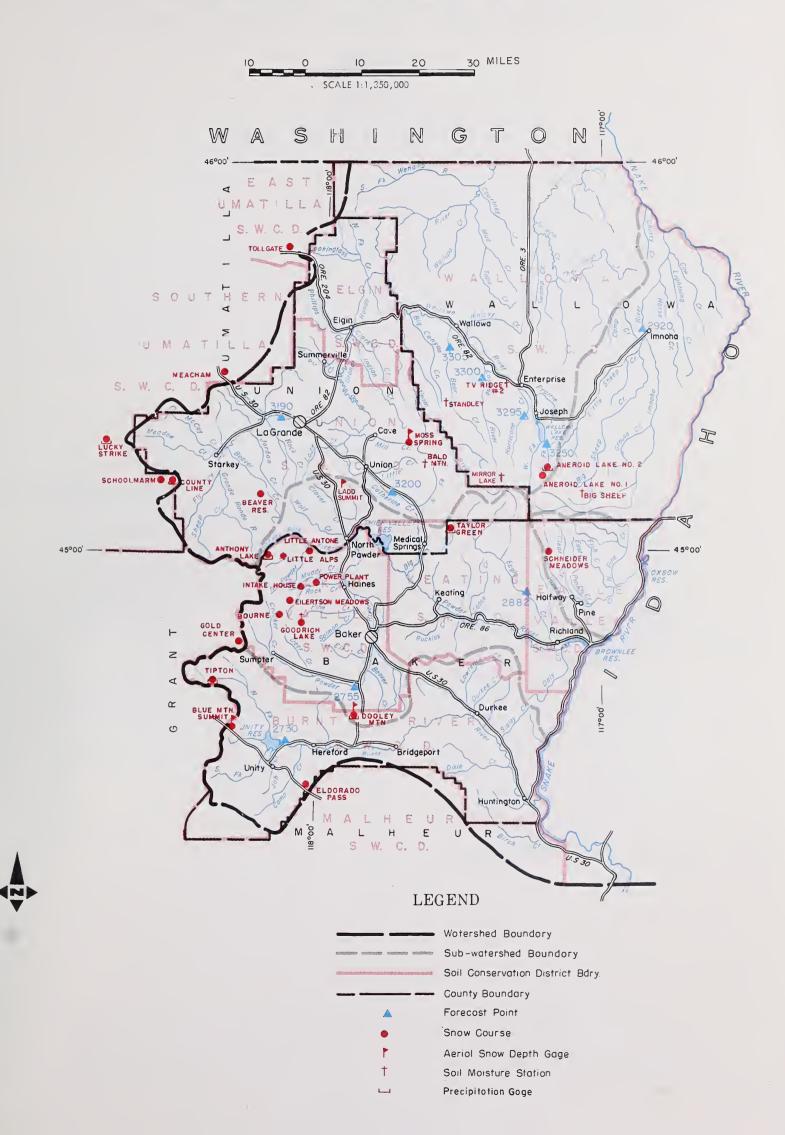
U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD			
	FORE	CAST	FORL CAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Bear near Wallowa Burnt near Hereford ^d						
Catherine near Union Eagle Creek abv. Skull Creek						
Grande Ronde at La Grande	N	ote: Fore	casts begin or	n Feb. 1, 197	5	
Hurricane near Joseph Immaha at Imnaha Lostine near Lostine Powder near Sumpter ^d						
Wallowa, East Fork near Joseph ^d	-		,			
		1	1			

RESERVOIR	Usable	Usable Storage			RIVER BASIN	Number of	THIS YE	AR'S SNOW PERCENT OF	
RESERVOIR	Capacity	This Year	Last Year	Average i	and/or SUB-WATERSHED	Courses Averaged	Last Year	Average 1	
Phillips Lake Thief Valley Unity Wallowa Lake	73.5 17.4 25.2 37.5	51.2 17.4 10.9 24.4	19.9 17.4 10.2 10.3	 14.4 ^m 7.7 19.9	Burnt River Grande Ronde River above La Grande Powder River Wallowa, Imnaha, Catherine Creek	3 3 2 c	42 72 38	104 142 72	
					SOIL MOISTURE				
					RIVER BASIN	Number of Stations		THIS YEAR'S MOISTURE as PERCENT OF: Last Year Average	
	-				Burnt, Powder Grande Ronde, Catherine Creek, Imnaha River	6 2	82	92	

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS





WATER SUPPLY OUTLOOK

UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS

OREGON

as of

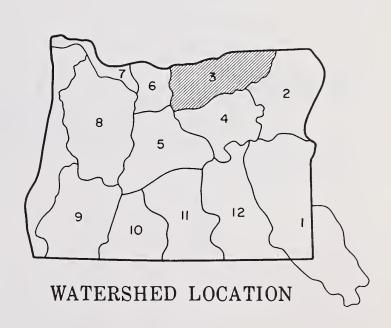
JANUARY 1, 1975

GENERAL OUTLOOK

WATER SUPPLIES IN THE UMATILLA AND WALLA WALLA BASINS WILL BE NEAR AVERAGE FOR THE COMING GROWING SEASON. THE EARLY SEASON SNOW MEASUREMENTS INDICATE AN ABOVE AVERAGE SNOWPACK. PRECIPITATION HOWEVER, SINCE SEPTEMBER HAS BEEN MUCH BELOW AVERAGE. AS A RESULT WATERSHED SOILS ARE DRY AND WILL DETRACT FROM THE SNOW MELT RUNOFF. STORAGE IN COLD SPRINGS AND McKAY RESERVOIRS IS ABOUT 75% OF AVERAGE.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow Period				
STREAM or AREA	Spring Season	Late Season			
Walla Walla River, No. Fork Walla Walla River, So. Fork Walla Walla River, Main Walla Walla River, Little Couse Creek Dry Creek Pine Creek Umatilla River, Main Wildhorse Creek Umatilla R. (Cold Springs Reservoir) Umatilla R. (McKay Res.) McKay Creek Birch Creek Butter Creek Willow Creek Rhea Creek Rock Creek (John Day Tributary)	Forecasts the Feb. 1 which will sued about 1975	report be is-			



U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD			
	FORE	CAST	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Birch Creek at Rieth Butter Creek near Pine City McKay near Pilot Rock Umatilla near Gibbon Umatilla at Pendleton Walla Walla, South Fork near Milton			casts begin or	n Feb. 1, 197	5	

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

TONEOROT DATE OF EOU	I LOW THE	MEDERITOR STORAGE (NO. IL. END OF MONTH				
	Low Flow	Forecast Date Average Date Stream Will	DESERVOIR	Usable	U	sable Stora	ige
FORECAST POINT	Value Second/Ft.	Recede to Low Flow Value	RESERVOIR	Capacity	This Year	Last Year	Average i
Umatilla at Pendleton	1 report	s begin in the Feb. which will be is- ut Feb. 8, 1975	Cold Springs McKay	50.0 73.8	14.5 15.0	24.1 35.8	21.6
		a 1	-				

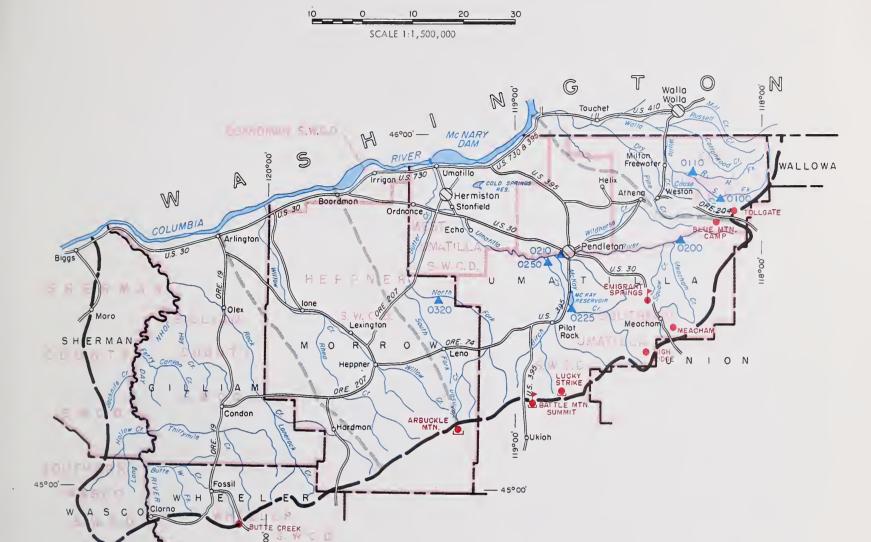
SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

OUL MOISTORE				COMPARISON WITH PREVIOUS YEARS)					
RIVER BASIN	Number of Stations	THIS YEAR'S as PERC Last Year		RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEA WATER AS I	AR'S SNOW PERCENT OF Average i		
Umatilla, Walla Walla, McKay Creek	3	88	88	McKay Creek Umatilla River Walla Walla River	2 3 2	37 38 38 38	114 112 117		
·									

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS







WATER SUPPLY OUTLOOK UPPER JOHN DAY WATERSHEDS OREGON

as of

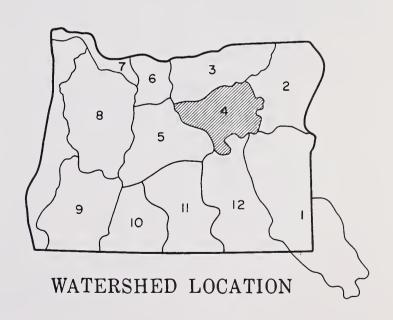
JANUARY 1, 1975

GENERAL OUTLOOK

NEAR AVERAGE WATER SUPPLIES ARE FORECAST FOR THE UPPER JOHN DAY BASIN FOR THE COMING GROWING SEASON. EARLY SEASON SNOW SURVEYS INDICATE AN AVERAGE SNOWPACK. PRECIPITATION SINCE SEPTEMBER HOWEVER HAS BEEN MUCH BELOW NORMAL. AS A RESULT, THE WATERSHED SOIL MOISTURE IS BELOW NORMAL AND WILL DETRACT FROM THE SNOWMELT RUNOFF.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow F	Period
STREAM or AREA	Spring Season	Late Season
Beech Creek Beech Creek-Fox-Long Cr. Bridge-Mountain Creeks Camas Creek Cherry Creek Indian-Pine Creeks John Day River, Main Fork John Day River, Mid. Fork John Day River, N. Fork John Day River, S. Fork Monument-Kimberly Strawberry Creek	Forecasts the Feb. which will sued about	l report
	. 11	



U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

STREAMFLOW FORECASTS		THIS YEAR	R	PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Camas Creek near Ukiah						
John Day, Middle Fork at Ritter	No	te: Fore	 casts begin on	Feb 1 107	F	
John Day, North Fork at Monument			lases begin on	160. 1. 197	3	
Strawberry near Prairie City						
			,			

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

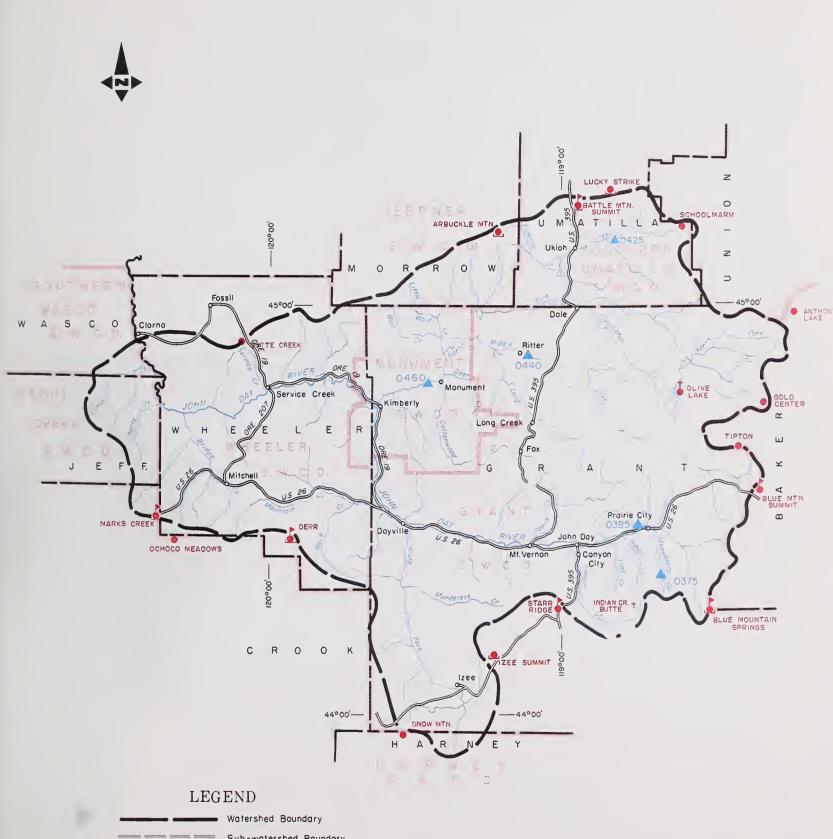
(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number of	THIS YEAR'	S MOISTURE CENT OF:	RIVER BASIN and/or	Number of Courses Averaged	THIS YE	AR'S SNOW PERCENT OF
	Stations	Last Year Average : SUB-WATERSHED Ave		verage ; SUB-WATERSHED		Last Year	Average i
John Day above Dayville John Day, North Fork	3 1	63 45	79 57	John Day, North Fork John Day abv. Dayville	3 3	45 49	98 104
		·					

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

UPPER JOHN DAY WATERSHEDS





Watershed Boundary Sub-watershed Boundory Soil Conservation District Bdry. County Boundary Forecast Point Snow Course Soil Moisture Station Aerial Snow Depth Gage Precipitotion Goge Radio Telemetry



WATER SUPPLY OUTLOOK

UPPER DESCHUTES, CROOKED WATERSHEDS OREGON

as of

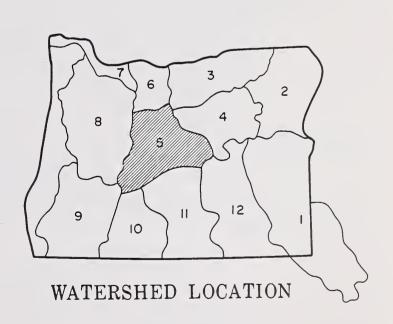
JANUARY 1, 1975

GENERAL OUTLOOK

NEAR AVERAGE WATER SUPPLIES ARE FORECAST FOR CROOK, DESCHUTES AND JEFFERSON COUNTIES FOR THE COMING GROWING SEASON. EARLY SEASON SNOW SURVEYS INDICATE A NEAR AVERAGE SNOWPACK. THE FIVE PRINCIPAL DESCHUTES RESERVOIRS ARE STORING MORE THAN NORMAL AMOUNTS OF WATER FOR THIS TIME OF YEAR. PRECIPITATION HAS BEEN MUCH BELOW AVERAGE SINCE SEPTEMBER AND AS A RESULT, WATERSHED SOILS ARE DRY. ALL OF THESE CONDITIONS COMBINE TO INDICATE A NEAR AVERAGE WATER SUPPLY.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow Period				
STREAM or AREA	Spring Season	Late Season			
Arnold Irrigation Dist. Bear Creek Beaver Creek Camp Creek Central Ore. Irrig. Dist. Crooked River Deschutes River Hay-Trout Creeks Lone Pine Irrig. Dist. Mill Creek North Unit Irrig. Dist. Ochoco Creek Sisters Irrigation Dist. Snow Creek Irrig. Dist. Squaw Creek Irrig. Dist. Swalley Ditch Tumalo Project Walker Basin Irrig. Dist.	Forecasts the Feb. which will sued abou 1975	l report			



U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

STREAMFLOW FORECASTS		THIS YEAR	?	PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND AG	RE FEET	
BASIN, STREAM and/or FORECAST POINT	Thousand Percent of Acre Feet Average		PERIOD	Last Year	Average i	
Beaver Creek near Paulina						
Crane Prairie Reservoir total Inflow Crescent at Crescent Lake ^d						
Crooked near Post d						
Deschutes at Benham Falls d	N.	 		F. 1. 1075		
Deschutes below Snow Creek	140	rored 	casts begin on 	Feb. 1, 19/5)	
Deschutes, Little near La $Pine^d$						
Ochoco Reservoir net Inflow^d						
Odell near Crescent Squaw near Sisters Tumalo near Bend d						

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

				WESTHAOM STOWNOE C	nououna .	10. 1 1.7			
FORECAST POINT	LOW Flow	Forecast Date Stream Will	Average Date of Low Flow	RESERVOIR	Usable	Usable Storage			
· OKZONOT FORM	Second/Ft.	Recede to Low Flow Value	Value	RESERVOIR	Capacity	This Year	Last Year	Average 1	
Crane Prairie net Inflow Crooked R. near Post Deschutes at Bend Little Deschutes near La Pine *Issued on April 1.	Forecasts 1 report sued abou	which wil		Crane Prairie Crescent Lake Ochoco Prineville Wickiup	55.3 86.9 47.5 153.0 200.0	. 55.6 81.5 20.3 93.1 193.1	31.3 68.2 18.0 91.5 101.5	38.1 42.2 17.5 98.5 ^m 121.2	

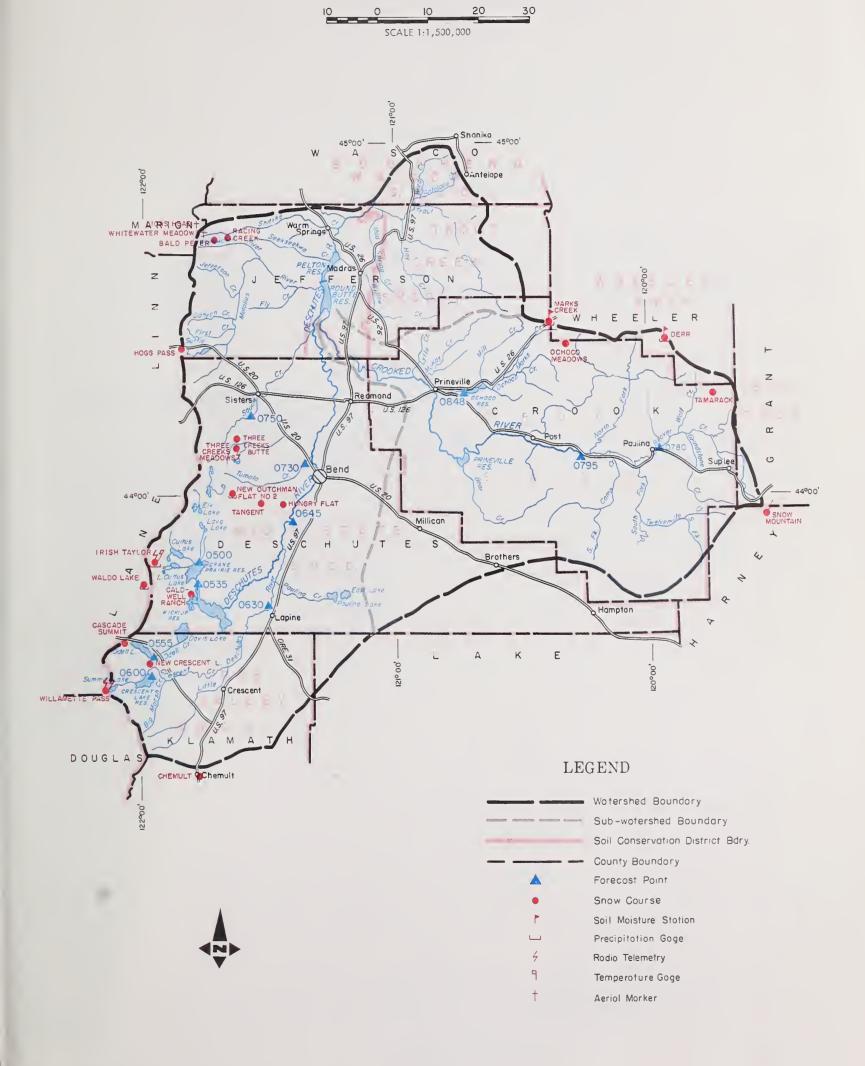
SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

				(COMPARISON WITH PREVIOUS YEARS)				
RIVER BASIN	Number	THIS YEAR'S		RIVER BASIN and/or	Number of Courses	WATER AS	AR'S SNOW PERCENT OF	
	Stations	Last Year	Average i	SUB-WATERSHED	Averaged	Last Year	Average	
Crooked R., Upper Deschutes River	1		80	Crooked, Ochoco Deschutes abv. Wickiup Little Deschutes Tumalo & Squaw Crs.	1 1 2 2 2	83 50 48 51	105 113 89 115	

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

UPPER DESCHUTES, CROOKED WATERSHEDS





WATER SUPPLY OUTLOOK

HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS

OREGON

as of

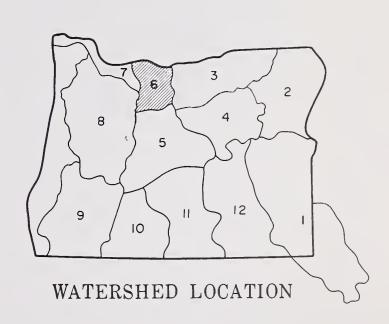
JANUARY 1, 1975

GENERAL OUTLOOK

BELOW AVERAGE WATER SUPPLIES ARE FORECAST FOR HOOD RIVER AND WASCO COUNTIES FOR THE COMING GROWING SEASON. JANUARY I SNOW MEASURE-MENTS INDICATE A SNOWPACK ONE HALF OF NORMAL. PRECIPITATION SINCE SEPTEMBER HAS BEEN MUCH BELOW NORMAL. AS A RESULT WATERSHED SOILS ARE DRY AND WILL DETRACT FROM THE SNOW MELT RUNOFF.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Aldridge Ditch (Tony Creek) Badger Creek		
Dee Irrigation Dist. East Fork Irrig. Dist	Forecasts	begin in
Farmers Irrigation Dist. Hood River Irrig. Dist	the Feb.	l report
Juniper Flat Middle Fork Irrig. Dist.	which will	
Mile Creeks Mill Creek Mount Hood Innia Dist	sued about	t Feb. 8,
Mount Hood Irrig. Dist. Rock-Gate-Threemile Crs. Tygh Creek	1975	
White River		
•		



U.S.D.A. SOIL CONSERVATION SERVICE
OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

	THIS YEAR		PAST RECORD			
FORE		FORECAST	THOUSAND A	THOUSAND ACRE FEET		
Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average		
N	ote: Fore	casts begin o	n Feb. 1, 197	'5		
	Thousand Acre Feet	FORECAST Thousand Percent of Average	Thousand Acre Feet Percent of Average PERIOD	FORECAST FORECAST THOUSAND A		

FORECAST POINT	Low Flow Value	Stream Will	Average Date of Low Flow	,	Usa	able	Usable Storage		
FORECAST POINT	Second/Ft.	Recede to Low Flow Value	Value	RESERVOIR		acity Th	is Last ar Year	Average	
*Average cfs forecast to flow for this two-week period.	1 report	ts begin in which will but Feb. 8,	ll be is-	Clear Lake (Wasco)) 1:	1.9 7	.9 1.0	1.5	
*Average cfs for period of record.									
				SUMMARY of SNOW			S	1	
				RIVER BASIN and/or		Number of Courses		AR'S SNOW PERCENT OF	
				SUB-WATERSHED		Averaged	Last Year	Average	
•	100			Hood River Mile Creeks		3 c	22	51	
				White River		2	22	57	

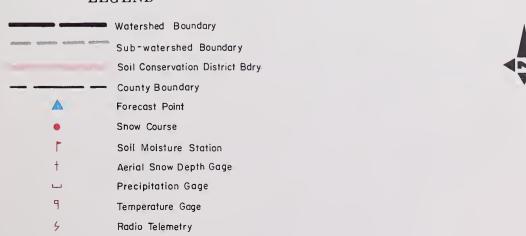
⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72 adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS





LEGEND





WATER SUPPLY OUTLOOK

LOWER COLUMBIA WATERSHEDS

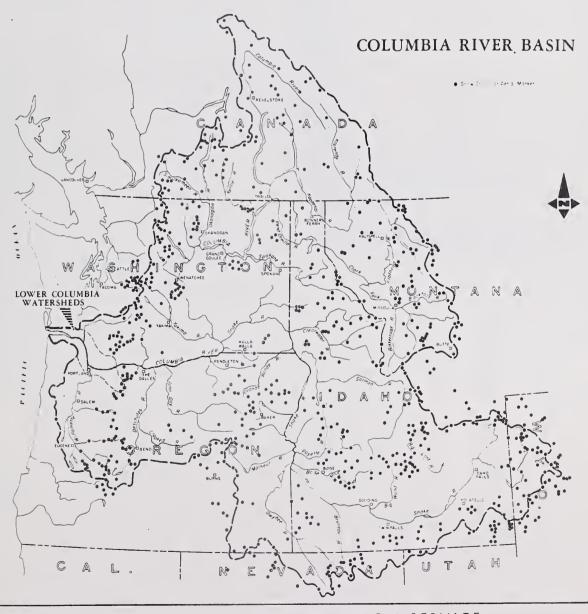
OREGON

as of

JANUARY 1, 1975

GENERAL OUTLOOK

EARLY SEASON SNOW SURVEYS INDICATE THAT THE NEW YEAR HAS. BEGUN WITH AN AVERAGE TO BELOW AVERAGE SNOWPACK ON MOST WATERSHEDS IN THE COLUMBIA BASIN. AT NEAR ONE HALF OF AVERAGE, SNOW COVER IS POOREST ON WATER-SHEDS NEAR MT. HOOD IN OREGON. SNOW ON THE GRANDE RONDE IN NORTHEAST OREGON IS HIGHEST AT 140%. MOST OTHER DRAINAGES INCLUDING THOSE IN CANADA VARY FROM 75% UP TO 110% OF AVERAGE. PRECIPITATION SINCE SEPTEMBER HAS BEEN POOR IN MOST LOCATIONS AND AS A RESULT WATERSHED SOILS ARE DRY AND WILL DETRACT SOMEWHAT FROM THE SNOWMELT RUNOFF.



U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

Report prepared by
T.A. GEORGE and J.W. HAGLUND
SOIL CONSERVATION SERVICE
1218 S.W. WASHINGTON ST.
PORTLAND. OREGON 97205

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF		
SUB-WATERSHED	Averaged	Last Year	Average 1	
Sandy River	1	26	68	

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i
Columbia at The Dalles d					
Sandy River near Marmot	N	ote: Fore	casts begin o	n Feb. 1, 197	5

HISTORICAL DATA (Columbia River at The Dalles)

	9	STREAMFLOW ^d (1,000 A F.	REGULATED PEAK			
YEAR	APR — SEPT.	APR — JUNE	MAY — JUNE	(1,000 c.fs)	DATE	
1958	97,700	72,000	58,600	593	May 31	
1959	112,500	71,900	58,900	555	June 23	
1960	97,000	64,000	48,000	442	June 6	
1961	101,400	74,400	64,000	699	June 8	
1962	94,600	64,100	49,200	460	June 5	
1963	87,000	56,300	46,200	437	June 18	
1964	109,020	70,739	61,313	662	June 18	
1965	114,137	80,024	62,477	520	June 9	
1966	87,268	58,120	45,922	396	June 12	
1967	107,771	72,408	65,112	622	June 10	
1968	89,000	55,500	47,900	404	June 13	
1969	112,300	85,700	63,800	515	May 15	
1970	88,100	62,800	55,200	425	May 28	
1971	122,900	88,400	73,700	557	May 13	
1972	134,700	96,400	81,400	619	June 20	
058-72 Avg.	104,300	72,900	59,900	529		

LOWER COLUMBIA RIVER FLOOD STAGES (with 9.5' tide at Astoria)

		DRAINAGE DISTRICT PUMPHOUSE						
VANCOUVER	FLOW AT	SANDY	SAUVIE ISL.	SCAPPOOSE	DEER ISL.	RAINIER	BEAVER	Woodsor
GAGE	THE DALLES	RIVER MILES						
(Weather Bu)	(1,000 c f s)	118.9	96.0	91. 0	77. 0	62.0	52.0	47.0
35 (1894)	1210	41.2	34.2	33.3	28.5	21.9	17.5	15.5
34	1160	40.5	33.5	32.5	27.7	21.2	17.0	15.0
33	1100	39.6	32.4	31.4	26.7	20.2	16.1	14.3
32 (1972)	1050	38.9	31.5	30.5	25.7	19.5	15.4	13.7
31 (1948)	1000 .	38.0	30.7	29.5	25.1	18.8	14.7	13.0
30	943	36.6	29.5	28.5	24.3	18.1	14.0	12.4
29 .	897	35.5	28.5	27.7	23.7	17.5	13.4	11.8
28	853	34.3	27.5	26.7	22.8	17.0	13.0	11.4
27 (1956)	811	33.0	26.5	25.6	21.8	16.2	12.5	11.0
26 (1950)	771	32.1	25.5	24.6	20.9	15.5	12.2	10.7
25	733	30.7	24.2	23.2	19.7	14.6	11.7	10.3
24	. 697	29.7	23.0	22.2	19.0	14.1	11.4	10.2
23	662	29.0	22.3	21.4	18.4	13.6	11.2	10.0
22	628	28.1	21.4	20.3	17.2	13.0	10.9	9.7
21	595	27.2	20.7	19.5	16.4	- 12.6	10.6	9.6
20 (1954)	564	26.2	19.8	18.6	15.5	12.1	10.2	9.4
19	534	25.5	19.2	18.0	15.0	11.8	10.0	9.3
18	501	24.4	18.3	17.2	14.3	11.4	9.8	9.1
17	479	23.4	17.4	16.4	13.7	11.0	9.6	8.9
16	452	22.4	16.5	15.5	13.0	10.5	9.3	8.7

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72. adjusted average. (i) 1958-72. 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records.

LOWER COLUMBIA WATERSHEDS







LEGEND Wotershed Boundory Sub-wotershed Boundory Soil Conservation District Bdry. County Boundary River Miles Snow Course Temperature Radio Telemetry

Forecost Point



WATER SUPPLY OUTLOOK WILLAMETTE WATERSHEDS OREGON

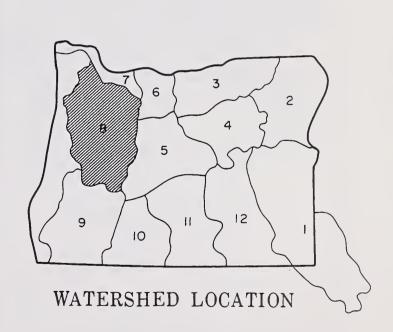
*as of*JANUARY 1, 1975

GENERAL OUTLOOK

WATER SUPPLIES IN THE WILLAMETTE VALLEY WILL BE NEAR AVERAGE EXCEPT FOR THOSE STREAMS ORIGINATING NEAR MT. HOOD. THE SNOWPACK IS ABOUT AVERAGE WITH THE EXCEPTION OF AREAS NEAR MT. HOOD WHICH ARE I/2 OF NORMAL FOR JANUARY I. THE WILLAMETTE RESERVOIRS WHICH ARE PRINCIPALLY FOR FLOOD CONTROL PURPOSES DO GENERALLY CONTAIN ABOVE AVERAGE AMOUNTS OF WATER WHICH COULD BE AVAILABLE FOR IRRIGATION THIS NEXT SUMMER. PRECIPITATION SINCE SEPTEMBER HAS BEEN 85% OF AVERAGE.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow Period				
STREAM or AREA	Spring Late Season Season				
Calapooya Clackamas	Forecasts begin in				
McKenzie Molalla	the Feb. 1 report				
Santiam, North Santiam, South	which will be is-				
Willamette, Coast Fork Willamette, Middle Fork	sued about Feb. 8,				
	1975				
·					



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STREAMFLOW FORECASTS		THIS YEA	PAST RECORD			
		CAST	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average l	
Clackamas at Estacada	1					
Clackamas above Three Lynx						
McKenzie at McK e nzie Bri d ge ^d						
McKenzie near Vi d a ^d						
McKenzie, So. Fork near Rainbow d						
Oak Grove Fork above Power Intake	No	ote: Fored	casts begin on	Feb. 1, 1975	5	
Row near Dorena						
Santiam, North at Mehama d						
Santiam, South at Waterloo ^d						
Willamette, Mid. Fk. blw. N. Fk. $nr.$ Oakridge d				Į.		
Willamette, No. Fk. of Mid. Fk. near Oakridge						
Willamette at Salem ^d						
				1		

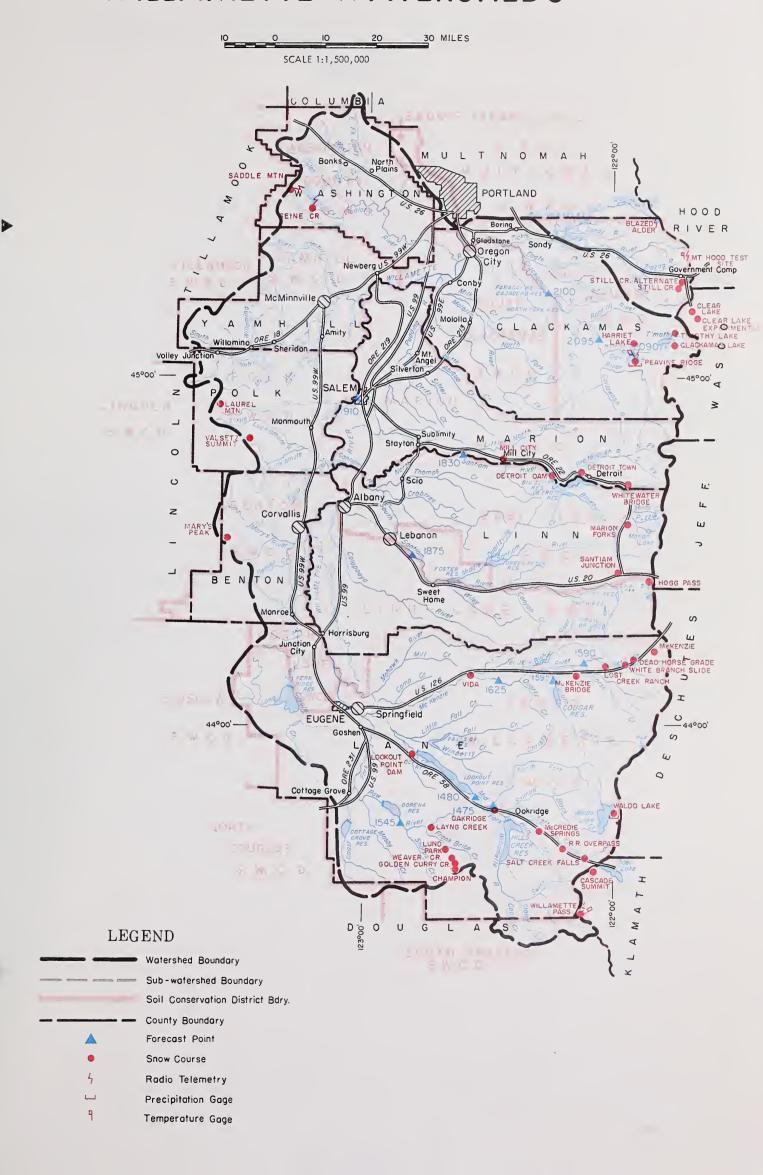
SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

(COMPARISON WITH PREVIOUS YE	AKS)			MESERAOUR STOWAGE (ilousullu /	10. 1 (.)	END OF I	TONTH
RIVER BASIN and/or	Number of Courses		AR'S SNOW PERCENT OF	RESERVOIR	Usable		Jsable Stora	ge
SUB-WATERSHED,	Averaged	Last Year	Average i		Capacity	This Year	Last Year	Average 1
Clackamas River McKenzie River Row River Santiam River Willamette, Mid. Fk.	2 3 2 4 3	17 62 35 41 48	45 112 75 89 88	Blue River Cottage Grove Cougar Detroit Dorena Fall Creek Fern Ridge Foster Green Peter Hills Creek Lookout Point Timothy Lake *Multiple purpose reservoirspace reserved primarily for flood runoff.	85.6* 30.0* 155.2* 299.9* 70.5 115.0* 94.2* 30.0* 270.0* 200.0 337.2* 61.7	0 0 9.0 55.1 1.3 0 1.0 0 37.6 9.5 8.6 48.8	6.2 0.0 18.7 110.4 4.9 0.0 0.1 94.9 28.6 78.5 61.7	1.4 14.4 ^m 25.3 6.7 0.0 ^m 10.4 1.1 ^m 6.6 ^m 15.9 ^m 34.4 49.1

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WILLAMETTE WATERSHEDS





WATER SUPPLY OUTLOOK ROGUE, UMPQUA, WATERSHEDS OREGON

as of

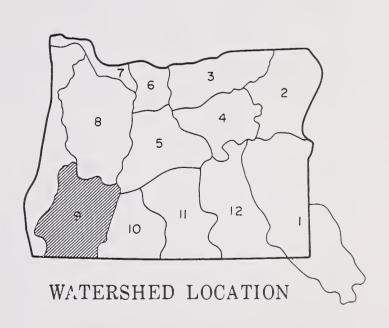
JANUARY 1, 1975

GENERAL OUTLOOK

MOST WATER USERS IN THE ROGUE AND UMPQUA BASINS WILL HAVE AVERAGE WATER SUPPLIES FOR THE COMING GROWING SEASON. EARLY SEASON SNOW MEASUREMENTS INDICATE A NEAR AVERAGE SNOWPACK, AND RESERVOIR STORAGE FOR JANUARY I IS GOOD. VALLEY PRECIPITATION SINCE SEPTEMBER HAS BEEN BELOW AVERAGE.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Althouse Creek Applegate River, Big		
Applegate River, Little		
Ashland Creek		
Butte Creek, Big		
Butte Creek, Little		
Cow Creek		
Deer Creek Elk Creek	Forecasts	begin in
Emigrant Creek (abv. res.) Evans Creek	the Feb.	l report
Gold Hill Irrigation Dist. Grants Pass Irrig. Dist.	which will	l be is-
Grave Creek Illinois River, East Fork	sued about	Feb. 8,
Illinois River, West Fork Jump-off-Joe Creek	1975	
Neil Creek Red Blanket Creek		
Rogue River		
Sucker Creek		
Table Rock Irrig. Dist.		
Thompson Creek		
Wagner Creek Williams Creek		
WIIIIams Creek		
•		



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STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i
Applegate near Copper Clearwater above Trap Creek ^d Fourmile Lake net Inflow ^d Hyatt Reservoir net Inflow ^d Illinois River near Kerby					
Little Butte, N. Fk. at Fish Lake Cr^d Little Butte, S. Fk. near Lake Creek Rogue above $\operatorname{Prospect}$	N	ote: Fore	casts begin on	Feb. 1, 197	5
Rogue, South Fork near Prospect					
Rogue at Raygold near Central Point					
Rogue at Grants Pass Umpqua, No. blw. Lemolo Res. nr. Toketee Falls					
	٠				
		•			

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT

Forecast Date Stream Will Recede to Low Flow Value

Average Date of Low Flow Value

Low Flow Value Second/Ft.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR

Usable

Capacity

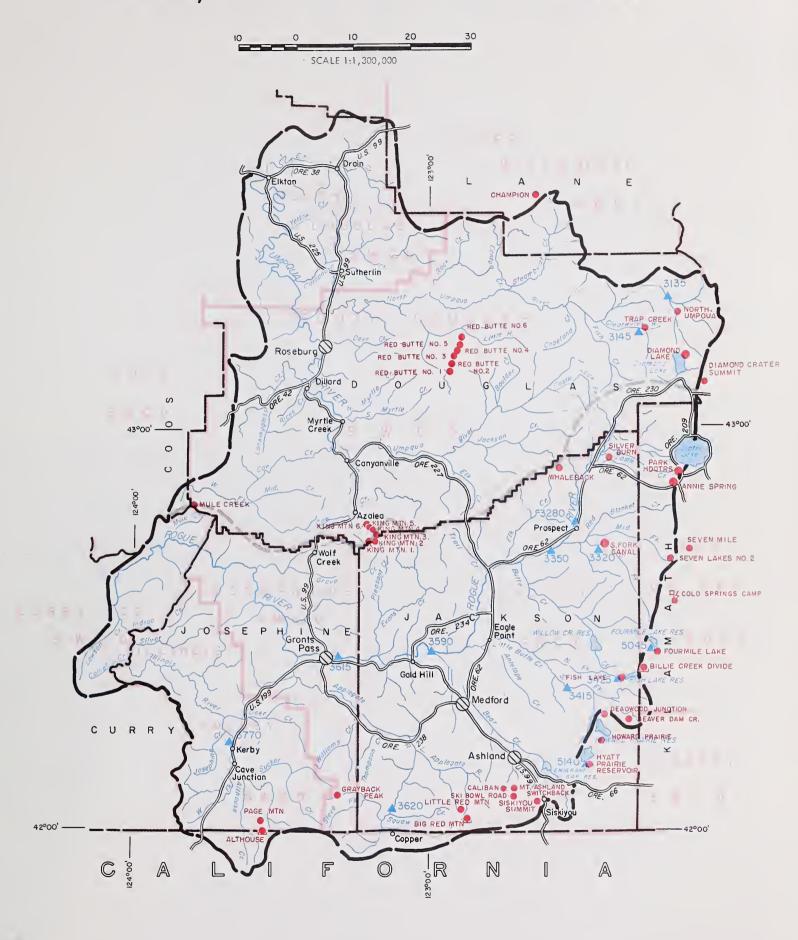
This Year Usable Storage

Last Year

Little Butte Creek, South Fork Rogue at Raygold *Average daily cfs forecast to flow on this date.	Forecasts begin in the Feb. 1 report which will be issued about Feb. 8, 1975	Emigrant Lake Fish Lake Fourmile Lake Howard Prairie Hyatt Prairie *Average for years of record (in base period) after reconstruction.	8.0 16.1 60.0	14.7 20.8 7.5 4.2 10.0 5.8 11.2 42.7 10.3 10.8	2 5.0 7.7 7 35.3 ^m
		SUMMARY of SNOW MEA (COMPARISON WITH PREVIOUS RIVER BASIN and/or SUB-WATERSHED	YEARS) Number of Courses Averaged	THIS YE. WATER AS Last Year	AR'S SNOW PERCENT OF Average i
		Bear Creek Butte Creek Illinois River North Umpqua Rogue River	1 4 c 3 3	192 56 54 60	62 90 113 106

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72 adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

ROGUE, UMPQUA WATERSHEDS







WATER SUPPLY OUTLOOK KLAMATH WATERSHEDS

OREGON

as of

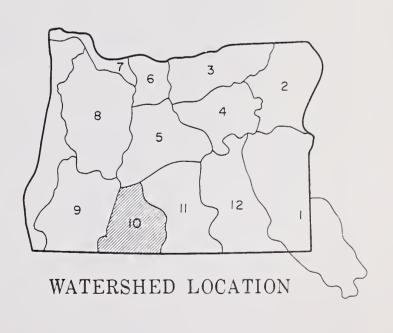
JANUARY 1, 1975

GENERAL OUTLOOK

MOST KLAMAIH COUNTY WATER USERS WILL HAVE AVERAGE WATER SUPPLIES FOR THE COMING GROWING SEASON. SOME IRRIGATORS WHO DEPEND UPON DIRECT DIVERSIONS WILL HAVE SOME WATER SHORTAGE. THIS OUTLOOK IS BASED ON A AVERAGE TO BELOW AVERAGE SNOWPACK AND GOOD RESERVOIR STORAGE. PRECIPITATION SINCE SEPTEMBER HAS BEEN MUCH BELOW AVERAGE. AS A RESULT, WATERSHED SOILS ARE DRY AND WILL DETRACT FROM THE COMING SNOW MELT RUNOFF.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

WATER GOTTET GOTEGON CEN	Elaw Poriod				
STREAM or AREA	Flow Period Spring Late Season Season				
Ft. Klamath Valley Lost River (Clear Lake) Lost River (Gerber) Lost River (Willow Res.) Sprague River Upper Klamath Lake Williamson River					
- -					



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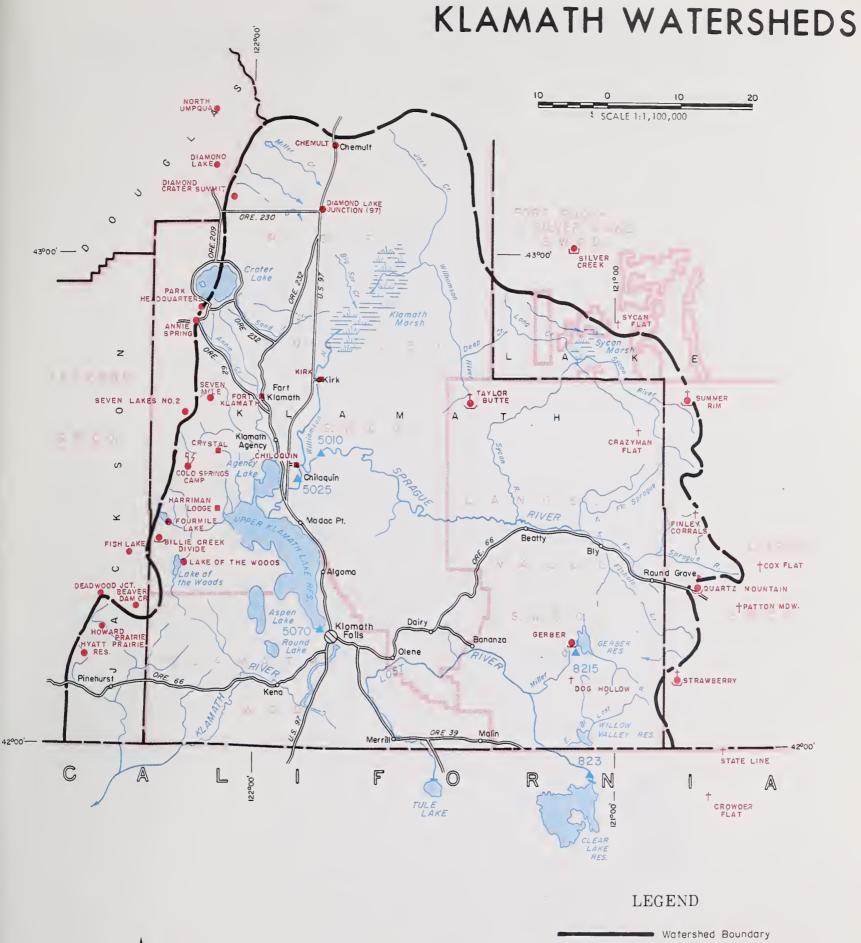
STREAMFLOW FORECASTS		THIS YEAR			PAST RECORD		
-	FORE	CAST	FORECAST	THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i		
Clear Lake Reservoir Inflow k Gerber Reservoir Inflow k Sprague near Chiloquin Upper Klamath Lake net Inflow k Williamson below Sprague River	N	ote: Fore	casts begin on	n Feb. 1, 197	5		
·			c				

SOIL MOISTURE

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RIVER BASIN	Number	THIS YEAR'S		RESERVOIR	Usable .		Usable Stor	age
	Stations	Last Year	Average i	KESEKYOIK	Capacity	This Year	Last Year	Average i
Upper Klamath	1	80	69	Clear Lake Gerber Upper Klamath Lake	440.2 94.0 584.0	274.1 43.8 324.2	257.1 42.3 428.2	188.4 37.9 341.3
				SUMMARY of SNOW ME (COMPARISON WITH PREVIOUS RIVER BASIN and/or SUB-WATERSHED Lost River Sprague River Upper Klamath Williamson River		r of V	THIS YEAR WATER AS PE ast Year 270 93 62 44	R'S SNOW ERCENT OF Average i 246 84 99 85

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72. 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.







WATER SUPPLY OUTLOOK

LAKE COUNTY, GOOSE LAKE WATERSHEDS OREGON

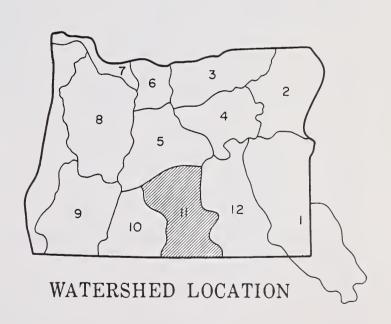
as of January 1, 1975

GENERAL OUTLOOK

EARLY SEASON SNOW SURVEYS INDICATE BELOW AVERAGE TO AVERAGE WATER SUPPLIES FOR LAKE COUNTY. ONLY THE DREWS CREEK WATERSHED HAD ABOVE NORMAL SNOW. PRECIPITATION SINCE SEPTEMBER HAS BEEN MUCH BELOW NORMAL. AS A RESULT, WATERSHED SOILS ARE DRY AND WILL DETRACT FROM THE SNOW MELT RUNOFF. DREWS RESERVOIR HOWEVER, DOES CONTAIN NEAR AVERAGE AMOUNTS OF WATER FOR JANUARY I.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

Chewaucan River Crooked Creek Deep Creek Deep Creek East Side Goose Lake Guano Lake Honey Creek Lakeview Water Users Assn. Rock Creek (Hart Mountain) Silver-Buck Creeks Summer Lake Thomas Creek Twentymile Creek Warner Lakes Spring Season Late Season Forecasts begin in the Feb. 1 report which will be is- sued about Feb. 8, 1975		Flow F	eriod
Crooked Creek Deep Creek Deep Creek Dry Creek East Side Goose Lake Guano Lake Honey Creek Lakeview Water Users Assn. Rock Creek (Hart Mountain) Silver-Buck Creeks Summer Lake Thomas Creek Twentymile Creek Forecasts begin in the Feb. 1 report which will be is- sued about Feb. 8, 1975	STREAM or AREA	Spring Season	
	Crooked Creek Deep Creek Dry Creek East Side Goose Lake Guano Lake Honey Creek Lakeview Water Users Assn. Rock Creek (Hart Mountain) Silver-Buck Creeks Summer Lake Thomas Creek Twentymile Creek	the Feb. which will	l report



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STREAMFLOW FORECASTS	THIS YEAR P.				RECORD
	FORE	FORECAST		THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	FORECAST PERIOD	Last Year	Average i
Chewaucan near Paisley Deep above Adel Drews Reservoir net Inflow ^d Honey Creek near Plush Silver Creek near Silver Lake ^d Twentymile near Adel	No	ote: Fored	casts begin on	Feb. 1, 197	5
·					

THIS YEAR'S MOISTURE as PERCENT OF:

Average i

Last Year

Number

SOIL MOISTURE

RIVER BASIN

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

Capacity

RESERVOIR

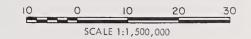
Usable Storage

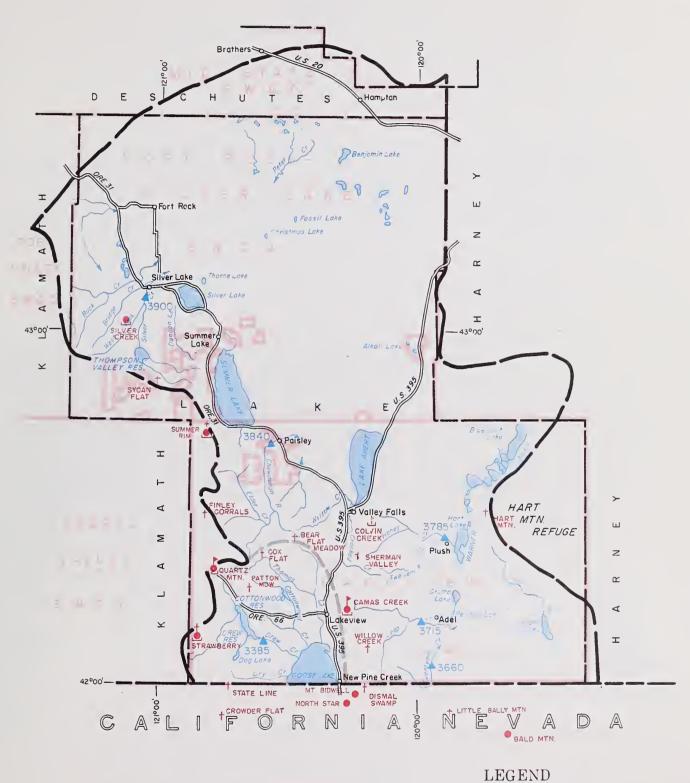
Average 1

Chewaucan, Silver Creek, Drew Creek Honey, Deep, 20-Mi. Cr.	1	80 84	69 91	Cottonwood Drews *Average for years of record (in base period) after reconstruction.	8.7 63.0	<i>b</i> 29.1	2.7 34.8	
				SUMMARY OF SNOW ME (COMPARISON WITH PREVIOUS RIVER BASIN and/or SUB-WATERSHED	Number Cours Avera	r of ses	WATER AS I	AR'S SNOW PERCENT OF Average i
				Chewaucan River Deep Creek Drew Creek Honey Creek Silver Creek Twentymile Creek	2 1 1 1 2 c		93 58 182 58 50	84 68 119 68 45
		·		·				

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1:58-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

LAKE COUNTY, GOOSE LAKE WATERSHEDS









WATER SUPPLY OUTLOOK HARNEY BASIN WATERSHEDS

OREGON

as of

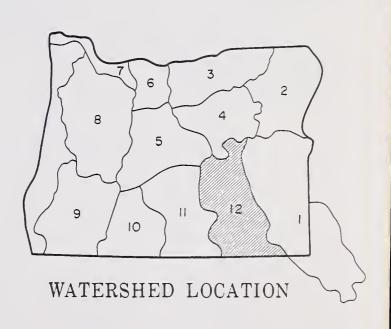
JANUARY 1, 1975

GENERAL OUTLOOK

HARNEY COUNTY WATER USERS SHOULD HAVE AVERAGE WATER SUPPLIES FOR THE COMING GROWING SEASON. THIS OUTLOOK IS BASED ON ABOVE AVERAGE EARLY SEASON SNOW MEASUREMENTS FROM A FEW SNOW COURSES. RAINFALL DURING THE FALL MONTHS WAS VERY LOW AND AS A RESULT, WATERSHED SOILS ARE DRY AND WILL DETRACT FROM FUTURE SNOW MELT RUNOFF.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Catlow Valley Cow Creek	Forecasts	begin in
Donner und Blitzen River Mill-Coffeepot Creeks	the Feb. 1	l report
Rattlesnake Creek Silver Creek	which will	be is-
Silvies River Soldier-Prather Creek Trout Creek	sued about	Feb. 8,
Whitehorse Creek	1975	
		-



U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

STREAMFLOW FORECASTS		THIS YEAR	3	PAST F	RECORD
	FORE		FORECAST	THOUSAND A	CRE FEET
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i
Donner und Blitzen near Frenchglen					
Silver near Riley Silvies River near Burns	No	te: Fored	casts begin on	 Feb. 1, 197	5
Trout Creek near Demio					
·					
					·
, •					
÷					

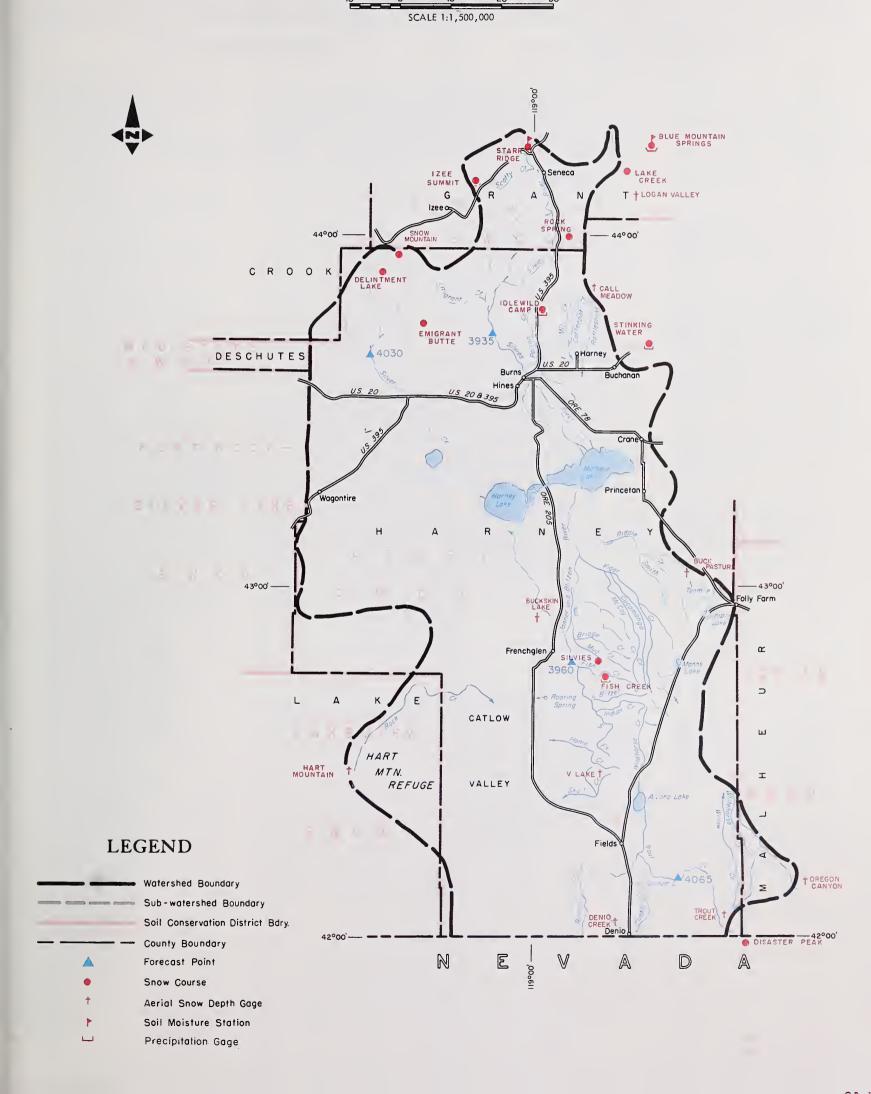
SOIL MOISTURE

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

THIS YEAR'S MOISTURE as PERCENT OF: THIS YEAR'S SNOW WATER AS PERCENT OF Number RIVER BASIN Number of RIVER BASIN of Stations and/or SUB-WATERSHED Courses Averaged Last Year Average i Last Year Average i Silvies River, Silver Cr. 1 74 88 Donner und Blitzen R. 1 70 136 Trout Cr., Donner und Blitzen River Silver Creek Silvies River 4 52 110 Trout Creek

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72 adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

HARNEY BASIN WATERSHEDS





BASIC DATA SUPPLEMENT 1 JANUARY 1, 1975

WONS	ТН	IIS YE	AR	PAST	REC.	SNOW	TH	HIS YE	AR	PAST	REC
DRAINAGE BASIN and/or SNOW COURSE	of	Snow Depth (In.)		Water C (inch Last Yr.		DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Depth	Water Cont. (In.)	Water ((incl Last Yr.	
OWYHEE, MALHEUR	WATE	RSHEI	DS I			BURNT, POWDER, PINE			RONDE,		
Antelope Ridge (Ida.)	С			3.7		IMNAHA WATE	RSHEDS 	5 		}	
Battle Creek ^e (Ida.) Bear Creek (Nev.)	c 12/29	38	10.4	9.2	7.8 ^h	Aneroid Lake #1 Aneroid Lake #2	C				
Big Bend (Nev.)	C			5.9	3.0^{h}	Anthony Lake	12/23	50	10.0	20.1	11
	12/23 12/23		4.6	14.1	6.1	Bald Mountain ^e (Ore.) Beaver Reservoir	c b			11.3	5
Blue Mtn. Springs Pillow* Buck Pasture ^e	c c		3.0	/ · /		Big Sheep e	c			11.3	3
Buckskin, Lower (Nev.)	с					Blue Mtn. Summit	12/23	20	3.5	7.8	3
Buckskin, Upper (Nev.) Bull Basin ^e (Ida.)	c c					Bourne County Line	12/30	18	3.2	2.9	2
Bully Creek ^e	c					Dooley Mountain	12/30	21	3.4	4.8	3
Call Meadow ^e Columbia Basin (Nev.)	C					Eilertson Meadows Eldorado Pass	12/23 $12/30$				1
Cottonwood-Indian ^e	c					Gold Center	c c		3.0		
Crane Prairie	С					Goodrich Lake	C	25	7 0	33.3	
Pisaster Peak (Nev.) Eldorado Pass	$\frac{c}{12/30}$	14	3.0	2.3	1.7	Intake House Little Alps	12/27 $12/31$			10.4	
fawn Creek ^e (Nev.)	c					Little Antone	12/23	15	2.3	6.3	4
Fish Creek Fish Creek Pillow*	c					Little Antone (Alternate) Lucky Strike	12/31	23	4.0	7.0	-
Flag Prairie ^e	c					Lucky Strike Pillow*	С				
Fox Creek (Nev.)	c	10	4.2	4.9	7 0	Meacham Mirror Lake ^e	$\frac{12}{30}$	21	4.3	9.0	3
Fry Canyon (Nev.) Gold Creek (Nev.)	1/2	19				Moss Spring	c				8
Granite Peak (Nev.)	С					Power Plant	12/27	20	3.2	3.7	3
yde Pasture ^e (Ida.) ack Creek, Lower (Nev.)	c c			j		Schneider Meadow Schoolmarm	$\frac{c}{12/30}$	16	3.0	2.6	
Tack Creek, Upper (Nev.)	c					Standley e	c c				
Jack Peak (Nev.)	c 12/23	23	4.2	7.7	3.8_{1}^{h}	Taylor Green Tipton	$\frac{c}{12/30}$	31	6.0	11.3	. 4
ake Creek R.S. aurel Draw (Nev.)	12/23 c	23	4.2	/•/	3.8	Tipton Snow Pillow*	12/30		6.0	12.5	-
Logan Valley ^e	c					Tollgate	12/27	38	9.9	25.7	8
Lookout Butte ^e Louse Canyon ^e	C					TV Ridge e	C				
Martin Creek (Nev.)	c										
Merritt Mountain (Nev.)	c				.						
Midas ^e (Nev.) Mud Flat (Ida.)	c			3.6							
Oregon Canyon ^e	c					UMATILLA, WALLA WA			OW, RO	OCK	
Quinn Ridge ^e (Nev.) Red Canyon ^e (Ida.)	c c					LOWER JOHN DAY WAT	ERSHE	DS T	j	ł	
Rock Spring	1/2	14				Arbuckle Mountain	·c				
Rodeo Flat (Nev.)	1/2 12/29	20 21		4.8		Arbuckle Mtn. Pillow* Battle Mountain Summit	$\frac{c}{12/30}$	8	1.4	1.6]
76 Creek ^e (Nev.) Silver City (Ida.)	$\frac{12}{29}$			12.7		Blue Mountain Camp	12/27	7 21	7.0	18.4	
Silvies	c					Butte Creek Summit Emigrant Springs	1/6	1		8.5	
Silvies Pillow* South Mountain #2 (Ida.)	$\frac{c}{12/27}$	16	4.0	11.2	3.9 ^h		b	' 12	2.2	16.6	
Stag Mountain (Nev.)	c					Lucky Strike	,c				
Stinking Water Succer Creek (Ida)	12/31 c	9	1.9	2.7	1.4^h	Lucky Strike Pillow* Meacham	$\frac{c}{12/30}$	21	4.3	9.0	
Succor Creek (Ida.) Faylor Canyon (Nev.)	1/2	16	2.6	2.6	1.8^{h}		12/27			25.7	
Toe Jam (Nev.)	c		0.4	1 4	0.0					-	
Tremewan Ranch (Nev.) Trout Creek	1/2 c	4	0.4	1.4	0.8						
'V'' Lake	c										
Vaught Ranch (Ida.) War Eagle (Ida.)	C										
						,					
	L	<u></u>	l								

BASIC DATA SUPPLEMENT 1

JANUARY 1, 1975

SNOW	TH	IIS YE	AR	PAST	REC.	SNOW	TH	HIS YE	AR Y	PAST	REC
DRAINAGE BASIN and/or SNOW COURSI	Date E of	Snow Depth		(inc	Content hes)	DRAINAGE BASIN and/or SNOW COURS	Date of	Snow Depth	Water Cont.	Water C (inch	
31/11/102 3/ 0/11	Survey	(In.)	(ln.)	Last Yr.	Avet		Survey	(ln.)	(ln.)	Last Yr.	Ave
UPPER JOHN DAY					and the second district of the second distric	HOOD, MILE CREEKS, WATERSHE		DESC	ا HUTES		
Anthony Lake Arbuckle Mountain	12/23 c	50	10.0	20.1	11.0	Brooks Meadows	С				
Arbuckle Mtn. Pillow* Battle Mountain Summit	$\begin{vmatrix} c \\ 12/30 \end{vmatrix}$	8	1.4	1.6	1.3^h	Clear Lake (Experimental)	12/27			8.0 13.4	
Blue Mountain Springs	12/23					Cooper Spur	$\frac{12}{2}$	1		12.7	
Blue Mt. Springs Pillow*	12/23	1	3.8	7.7		Greenpoint	c				
Blue Mountain Summit	12/23					Knebal Springs	c b				
Butte Creek Summit Derr	1/6 c	10	2.1	1.4		Mt. Hood Test Site** Red Hill	c			37.7	22
Gold Center	c					Still Creek	12/27	23	5.4	20.4	7
Indian Creek Butte ^e	c					Still Creek Alt. #2	b				
Izee Summit	1/2	18	3.6	5.3	3.0	Switchback	С				
Lucky Strike Lucky Strike Pillow*	C					Tilly Jane Ulrich Ranch Junction	C				
Marks Creek	12/31	10	2.0	2.4	1.9	Umbrella Falls	c				
Ochoco Meadows	c	-0									
Olive Lake e	c										
Schoolmarm	12/30	16	3.0	2.6	1.9						
Snow Mountain Snow Mt. Pillow**	$\begin{vmatrix} c \\ 1/1 \end{vmatrix}$	_	3.0			WILLAMETTE V	VATERSI 1	HEDS			
Starr Ridge	1/1	17	1	1	2.2	Cascade Summit	12/30	42	10.8	20.2	10
Tipton	12/30		1	11.3		Champion	12/27			28.5	
Tipton Snow Pillow*	12/30			12.5		Clackamas Lake	С				
,	,					Clear Lake	12/27				
						Clear Lake (Expt.)	12/27				
	ļ					Dead Horse Grade Detroit (Town)	12/26				1
						Detroit Dam	12/30		T		1
						Golden Curry Creek	12/27	4	0.5		2
WDD-D - DG	0011=	14.5				Hogg Pass	12/30			28.5	1
UPPER DESCHUTES, CR	OOKED	WATE	KSHED I	I		Lake Harriet Laurel Mountain	12/31		0.2	T	1
Bald Peter	12/30	50	14.2	27.8		Layng Creek	12/27		T		
Caldwell Ranch	c					Lookout Point Dam	12/30	1			
Cascade Summit	12/30				10.7	Lost Creek Ranch	12/26				
Chemult	12/30					Lund Park	12/27		1		
Chemult Alternate Derr	12/30 c	19	3.2	8.0	·	Marion Forks Marys Peak	$\frac{12}{30}$	11	1.6	12.3	4
Hogg Pass	12/30	49	14.9	28.5	14.5	McCredie Springs	12/30	Т	Т	0.0	0
Hungry Flat	12/28	1	1	1 .	,		12/26				
Irish-Taylor Pillow**	12/31	•	1	31.2		McKenzie Bridge	12/26				
Lionshead e	Ь			11.3		Mill City Mt. Hood Test Site**	12/30 b	0	0.0	0.0	
Marks Creek	12/31	10	2.0	2.4	1.9	Oakridge	12/30	0	0.0		
New Crescent Lake New Dutchman Flat #2	c 12/28	74	25 2	E0 E	22.3	Peavine Ridge	1/1	l l	3.1		
Ochoco Meadows	c c	/4	23.2	30.3	22.3	Peavine Ridge Pillow**	1/1	-		15.5	5
Racing Creek	12/30	22	5.8	14.4		Railrod Overpass	12/30		1.2		
Snow Mountain	c					Saddle Mountain Pillow** Salt Creek Falls	1/1 12/30	17			
Snow Mt. Pillow**	С					Santiam Junction	12/30			21.2	
Tamarack Tangent	$\frac{c}{12/28}$	36	10.0	18 1	8.4 h	Seine Creek Pillow**	1/1	-	0.3	0.0	-
Tangent Three Creek Butte	c c	30	10.0	10.1	5.4	Still Creek .	12/27	23	5.4	20.4	7
Three Creek Meadow	С					Still Creek Alt. #2 Timothy Lake	,b 12/31	15	20	12.7	6
Three Creek Mdw. Pillow**	b			15.6		Valsetz Summit	12/31			1	1
Waldo Lake	c b			7 1		Vida	12/26				1
Whitewater Meadow ^e Willamette Pass	C			3.1		Waldo Lake	c				
Willamette Pass Pillow**	b			24.5		Weaver Creek	12/27			0.0	1
						White Branch Slide Whitewater Bridge	12/26		4	1	
						Willamette Pass	12/30 c	<u>'</u>	1.0	3.2	2
						Willamette Pass Pillow**	ъ			24.5	-
						1					

BASIC DATA SUPPLEMENT 1 JANUARY 1, 1975

ROGUE, UNPQUA WATERHEDS Survey (to.) Conv. Survey (to.) Conv. Conv	Y PAST RE		IIS YE		SNOW	PAST REC.	1,		IS YE		SNOW
ROGUE, UNPQUA MATERSHEDS	nt. [Inches	Water Cont.	Depth	of	DRAINAGE BASIN and/or SNOW COURSE	(inches)	nt.	Cor	Depth	of	RAINAGE BASIN and/or SNOW COURSE
Althouse C C S 18.8 35.3 16.3 36.6 6.6 6.6 81116 Creek Divide 2/30 37 9.6 13.8 8.7 13.116 Creek Divide 2/30 15.2 2.11ban (Alternate) C C C C C C C C C	.) Last A	(ln.)	(In.)	Survey		Yr. Ave.I	1.)	(In	(In.)	Survey	
Annie Spring			5	 RSHEDS	KLAMATH WATE			5	I I SHEDS	IATERS	ROGUE, UMPQUA V
### Spring	. 8 35. 3 16	12 2	5.8	1/6	Annie Spring					с	Al thous e
Seaver Dam Creek 12/30 21 4.6 10.4 6.6° 8illie Creek Divide 12/30 15 2 2 2 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 3	.6 13.8										
		8.8				0.4 6.6	. 6	4	21		
aliban (Alternate)	.3 6.9	2.3		12/30							_
alibam (Alternate)		3.2	19	12/30	(11111111111111111111111111111111111111	3.8 8.7	. 6	9	37		
hampion old Springs Camp Pillow** b b cold Springs Camp Pillow** b b layso days. Camp Pillow** c layso days. Camp	0.6			Ь	Chiloquin (PP&L)					-	
old Springs Camp 110w** b						0 5 11 6			7.0		
Section	27.2			Ь		8.5 11.2	. 6	9	36		•
22/30 18 2.4 5.4 4.0 6 6 12/30 12 12/30 12 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13 12/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13/30 13						7 2					
iamond - Crater Sum. 12/50 49 13.4 24.1 11.3 1 13 12 12 12 12 12 12			10			5 1 1 0		2	1 2	-	
Samond Lake 12/30 34 8.5 16.9 7.6 10 10 10 12/30 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10 12 10		2.5				4 1 11 7	4	13			
ish Lake 12/30 28 5.6 8.9 5.6 20.6 courmile Lake 12/30 15 2.4 5.6 3.9 coward Prairie Reservoir 12/30 14 2.3 5.6 3.9 company of the properties of the	.4 24.1 1					6.9 7 6	5 1	8			
Darmile Lake	.0 2.6	2.0	10		Dog Hollows	8.9 5.6					
rayback Peak ward Prairie Reservoir						0.6					
ward Prairie Reservoir 12/30 14 2.3 6.0 5.0 6.0 7.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	.1 1.2	2.1	10		Fort Vlamath (DDSI)					с	
12/30	20.6	2.1	10			5.6 3.9	. 4	2.	15	12/30	
ing Mountain #1	20.0			1	Fourmile Take Pillow	6.0 3.7	.3	2.	14		
ing Mountain #2	.7 1.0	2.7	15	1/6	Gerher	2.9 8.3					
ing Mountain #3		2.4			Harriman (PDEI)	0.0 6.5		1			
ing Mountain #5			1 1		Howard Prairie	0.0 3.4		1			
ing Mountain #6 ittle Red Mountain c. Ashland Switchback ale Creek le Creek le Creek le Creek le Creek lagy and the state lage Mountain c. Ashland Switchback ale Butte #1 lo.5 c. l. l. l. o.0 c. l. o.0 l. l. o.0		2.3	14	12/30	Hyatt Prairie Rservoir	0.0 0.2					_
ittle Red Mountain t. Ashland Switchback ule Creek 12/30	3.8			ь	Kirk (PPGL)	0.0 0.0		l .			
t. Ashland Switchback ule Creek ule Creek 12/30	.6 48.5 2			1/6		0.0 0.0	.6	0.	3		
12/30 5 1.1 0.0 -	.1 1.7	3.1	15								
12/31 27 7.2 12.5 6.0				i			1	,	_		
age Mountain								1	1		
ark Headquarters ed Butte #1 ed Butte #2 ed Butte #3 ed Butte #3 ed Butte #4 ed Butte #3 ed Butte #4 ed Butte #4 l2/28						2.5 0.0	.4 1	′ '	4/		
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LAKE COUNTY, GOOSE LAKE WATERSHE LAKE Bowl Road couth Fork Canal 1/7 10 2.4 0.0 2.1 Adin Mountain (Calif.) Canap Creek 12/31 23 5.5 10.0 5.2 Bear Flat Meadow canas Creek Cedar Pass (Calif.) Colvin Creek Cedar Pass (Calif.) Colvin Creek Cox Flat canap Creek Cox Flat canap Creek Cox Flat canap Creek Cox Flat canap Canap Creek Cox Flat canap Creek Cox Flat canap Calif.) Colvin Creek Cox Fla						8.2 5.6	.1	5.	27	12/31	
Adin Mountain (Calif.) C Camas Creek 12/30 Camas Creek Canas Creek Canas Creek Camas Creek Calif.) C Colvin Creek Camas Creek Calif.) C Colvin Creek Camas Creek Calif.) C Coverable Calif. C Coverable Cove	.DS	' SHEDS	ATERS	AKE W	LAKE COUNTY, GOOSE L	1				- 1	iskiyou Summit
Trap Creek haleback 12/31 23 5.5 10.0 5.2 h Bald Mountain (Nev.) c Bear Flat Meadow e Camas Creek Cover Flat e Cover Flat		 		1						с	
rap Creek haleback 12/31 23 5.5 10.0 5.2 h Bald Mountain (Nev.) Bear Flat Meadow e Camas Creek Camas Creek Colvin Creek e Cox Flat e Covader Flat e Cox Flat e Covader Fla				С	Adin Mountain (Calif.)	0.0 2.1	. 4			1/7	
Haleback Camas Creek 12/30 14 2				С	Bald Mountain (Nev.)		- 1			2/31	
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Colvin Creeke c Cox Flate c Crowder Flate (Calif.) c Dismal Swampe (Calif.) c Finley Corralse c Hart Mountaine c Little Bally Mtne (Nev.) c Mt. Bidwell (Calif.) c North Star (Calif.) c Patton Meadowse c Quartz Mountain 12/30 15 Sherman Valleye c	2.8 4.8	2.8	14	1							
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Patton Meadows e c C Quartz Mountain 12/30 15 Sherman Valley e c											
Quartz Mountain 12/30 15 Sherman Valley e c											
Sherman Valley e c	3.1 1.7	3.1	15	12/30							
				C							
	0.7	0.7	7	12/27							
State Line ^e (Calif.) c				С							
Strawberry				C							
Summer Rim c				C							
Summer Rim Pillow*				C							
Willow Creek c				C	Willow Creek						

BASIC DATA SUPPLEMENT 1

JANUARY 1, 1975

HARNEY BASIN W 1ue Mountain Springs 1ue Mtn. Springs Pillow* uck Pasture ^e uckskin Lake ^e all Meadows ^e elintment Lake enio Creek ^e isaster Peak (Nev.)	Survey	24	(ln.)	Water ((inch Last Yr.)	Ave.	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Depth	Water Cont. (In.)	Water C (inch Last Yr.	
lue Mountain Springs lue Mtn. Springs Pillow* uck Pasture e uckskin Lake e all Meadows e elintment Lake enio Creek e isaster Peak (Nev.)	12/23 12/23 c c c c	24									
lue Mtn. Springs Pillow* uck Pasture ^e uckskin Lake ^e all Meadows ^e elintment Lake enio Creek ^e isaster Peak (Nev.)	12/23 c c c c				(]						
elintment Lake enio Creek ^e isaster Peak (Nev.)	c			1 . 1	6.1						
migrant Butte ish Creek	c										
ish Creek Pillow* art Mountain ^e dlewild Camp	c c 12/24	10	1 6	F 0	1.8						
dlewild Camp Alternate zee Summit ake Creek R.S.	12/24 12/24 1/2 12/23	7 18	1.4	4.6							
regon Canyon ^e ock Spring ilvies	1/2 c	14	2.6	3.4	1.8		·				
ilvies Pillow* now Mountain now Mountain Pillow**	c c	1.7		4 0	2 2						
tarr Ridge tinking Water rout Creek ^e /" Lake ^e	1/2 12/31 c	9	3.6 1.9	4.8 2.7	2.2 1.4						
*Manometer reading. *Telemetry reading. ote: The following snow co	ours es										
Triangle Williams Ranch Upper Valley Seven Lakes #2 Beech Creek Summit											
Parkdale Lake of the Woods Weston Mountain											
(a) Assuming norm	al meter	prolog	ical co	ndition	s. (b)	No report. (c) Not scheduled. (d) Con nated. (f) Nearest current data. (g) P	rected	to nat	tural		

BASIC DATA SUPPLEMENT 2

JANUARY 1, 1975

SOIL MOISTURE

Name	E1	Danit	C	Date of Survey	This	I Moisture (Ir	
in ame	Elevation	Depth	Capacity	Survey	Year	Year	Average
	OWYHEE, MALH	FIID MATER	SHEDS				
		LOK WATER	JILUS				
Bear Creek (Nev.)	7800	72	16.8	С			
Big Bend	6700	48	16.7	1/2	13.5	14.4	14.2
Blue Mountain Spring Mud Flat (Ida.)	5900 5500	42 48	16.9	12/23 c	6.2	11.4	9.0
Rodeo Flat (Nev.)	6800	48	12.8	1/2	4.8	7.4	8.6
Taylor Canyon (Nev.)	6200	. 48	15.1	1/2	7.7	10.6	11.6
						1000	
BURNT,	POWDER, PINE, GR	ANDE ROND	E, IMNAHA	WATERSHED:	S		
Blue Mountain Summit	5100	36	16.8	Ь		12.3	8.7
Dooley Mountain	5430	36	9.2	1/6	2.4	3.8	4.0
Emigrant Springs	3925	48	22.3	12/30	17.1	20.9	18.6
Ladd Summit	3730	48	18.9	12/31	9.2	11.0	10.0
Moss Springs Tollgate	5850 5070	36	25.8	b	14.2	14.2	10.7
Toffgate	3070	48	23.6	12/27	14.2	14.2	18.7
UMATILLA, WA	LLA WALLA, WILLO	W, ROCK,	LOWER JOHN	DAY WATE	RSHEDS.		
Battle Mountain Summit	4340	48	13.8	12/30	11.7	13.7	11.7
Emigrant Springs Tollgate	3925	48	22.3	12/30	17.1	20.9	18.6
Torrgate	5070	48	23.6	12/27	14.2	14.2	18.7
	UPPER JOHN	DAY WATE	 RSHEDS				
Battle Mountain Summit	4340	48	13.8	12/30	11.7	13.7	11.7
Blue Mountain Spring	5900	42	16.9	12/23	6.2	11.4	9.0
Blue Mountain Summit	5100	36	16.8	b		12.3	8.7
Derr	5670	24	9.0	С			
Marks Creek	4540	36	14.1	12/31	8.2	13.4	10.2
Snow Mountain Starr Ridge	6300 5150	48 36	16.7	1/2	7.0	10.6	
Stall Mage	3130	30	10.6	1/2	7.8	10.6	8.9
	UPPER DESCHU	TES, CROC	 KED WATERS	HEDS			
Derr	5670	24	9.0	c			
Marks Creek	4540	36	14.1	12/31	8.2	13.4	10.2
Snow Mountain .	6300	48	16.7	c c	0.2	13.4	10.2
	K	LAMATH WA	 TERSHEDS				
Quartz Mountain	5230	48	15.3	12/30	5.9	7.9	8.6
			1				



NAME COLATION ELEX MANDER NAME LOCATION ELEV I ALMORE	
OWYHEE, MALHEUR WATERSHEDS (1) 16H3AP MIdas (Nev.) 18 39N 46E 7200 1950	LOCATION ELEV NAMER NAME LOCATION ELEV NUMBER NAME LOCATION ELEV NUMBER NAME LOCATION ELEV NAMER
176Sa Oregon Canyon	7S 37E 6200 Willow Creek 21E6 Hogg Pass 24 13S 75E 4755 2166a Dog Hollow 1 40S 14E 4900
1688 Antelope Kide 10 15 15 15 16 17 18 18 18 18 18 18 18	75 38E 3990 1902P Arbuckle Mountain 33 4S 29E 5400 22E3 Mill City 29 8S 3E 826 22G12 Fourmile Lake 9 36S 5E 6000 20014a Finley Corrals 11.36S 16E 6000 22E3 Mill City 29 8S 3E 826 22G12 Fourmile Lake 9 36S 5E 6000 20014a Finley Corrals 11.36S 16E 6000 20014a Fi
15-402 Big Send (Nev) 30 45N 506 6700 18GIPA Silvies 35 32 34 6400 1762 Suckstin, Lower (Nev) 30 45N 506 6700 16GIP South Mountain No.2(Ida) 10 85 5W 6400 17D8 Schneider Meadows 35 17D8 Schneider Mead	UPPER JOHN DAY WATERSHEDS '41 6S 45E 5400 UPPER JOHN DAY WATERSHEDS '41 Mc Kenzie River 20 10S 7E 2175 22626 Howard Prairie 32 38S 4E 4500 22616 Hyatt Prairie Reservoir 15 39S 3E 4300
1851Qa Sull Basin (Ida) 29 125 SW 5600 16F6a Succor Creek (Ida) 25 3S 586 6500 16F6a Succor Creek (Ida) 25 3S 5W 6100 RONDE, IMNAHA WATERSHEDS (2) 1701 Aneroid Lake No. 1 16	21E8
Terse Fam Creek (Nev) 2 45N 52E 7000 15H8 Tremewan Ranch (Nev) 29 40N 50E 7700 Burnt Rivel 18E1P Anthony Lake No. 2 16 18S2P4 Fish Creek (Nev 33 40N 58F 6800 1664NA Triangle (Ida) 25 7S 34E 5700 Burnt Rivel 17010a Bald Mountain 14 & 15	45 45E 7300 18E16MP Blue Mountain Springs 21 15S 35E 5900 22E5 McKenzie Bridge 13 16S 5E 1372 20H1a State Line (Cal) 21 48N 11E 5750 45 45 45E 6700 20EA BLUE Mountain Summit 6 12S 36E 5098 22E6 Vida 28 16S 2E 800 20CGAP Straybarry 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 Vida 28 16S 2E 800 20CGAP Straybarry 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 Vida 28 16S 2E 800 20CGAP Straybarry 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 Vida 28 16S 2E 800 20CGAP Straybarry 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 Vida 28 16S 2E 800 20CGAP STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 Vida 28 16S 2E 800 20CGAP STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 450 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VIDA STRAYBARRY 4 45E 6770 20EA BLUE MOUNTAIN SUMMIT 6 12S 36E 5098 22E6 VID
Fry Canyon (Nev) 31 43N 54E 6700 1867a "I" Lake 10 41S 38E 7800 1867a "I" Lake 31 355S 32E 6600 1868 1808P 1808	55 37E 5150 19E3MP Derr 14 135 23E 5670 48 34E 4800 18E8 Gold Center 21 95 36E 5340 Middle Fork Willomette River 21 95 36E 5340 Middle Fork Willomette River 21 19E 5500
1665a Hyde Pasture (1da) 31 82 W 5800 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020 18020	15 35E 4300 1999 Izee Summit 28 165 295 5293 22F3 Cascade Summit 7 235 6E 4880 18 66P Lucky Strike 28 35 32E 5050 22F8 Lookout Point Dam 13 195 1W 750 Pacific Power and Light Company's Snew Stations
1807 Schoolmarm 28 1807 Schoolmarm	35 41E 5850 20E2 Ochoco Meadows 21 135 20E 5200 22F7 Oakridge 16 215 3E 1310 3 Chiloquin (PP&L) 34 345 7E 4187 25 425 7400 20E2 0 Choco Meadows 21 35 20E 5200 22F5 Railroad Overpass 21 22S 5E 2750 4 Crystal (PP&L) 26 345 6E 4200
1756 Lookout Sutte 2 405 47E 3650 18F6a 8uck Pasture 28 295 35E 5300 18E1 807 17E1MP 001 18F6a 8uch Pasture 33 85 37E 5800 1807 1910r Green 3 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8uch Pasture 38 295 35E 5300 17E1MP 001 18F6a 8	18D7 Schoolmarm 28 45 34E 4775 22F4 Salt Creek Falls 32 22S 5!E 4000 5 Fort Klamath (PP&L) 22 33S 7!E 4150 24S 5 5000 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5070 5 Fort Klamath (PP&L) 22 33S 7!E 4150 22F14 38E 5 5 5 5 5 5 5 5 5
15°C0a Merritt Mountain (Nev) 10 46N 54E 7000 18E19M Crane Prairie 24 16S 34E S375 18E6A Goodrich Lake 4 9S 38E 6775	UPPER DESCHUTES, CROOKED WATERSHEDS (5)
17012m Ladd Summit S 55 39E 3730 1702P Aperoid Lake No. 2 16	4S 45E 7480 Upper Deschutes River 22F9 Champion 12 23S 1E 4500 22F10 Golden Curry Creek 1 23S 1E 3136 22F10 Golden Curry Creek 1 23S 1E 3136 22F13 Layng Creek R.S. 31 21S 1E 1200 LAKE COUNTY, GOOSE LAKE WATERSHEDS 111
24 23 22 21 20 19 19 19 10 LOWER JOHN DAY WATERSHED	7, ROCK, 21F11 Chemult 21 275 8E 4760 22F11 Weaver Creek 35 22S 1E 1740 Goose Loke
Umatilla River	21F4 Hungry Flat 29 18S 11E 4400 21F6* Irish-Taylor 25 20S 6E 5500 21F6* Irish-Taylor 25 20S 6E 5500 23E1 Mary's Peak 21 12S 7W 3620 20H2a Crowder Flat (Ca) 30 47W 11E 5200
N) 20E4 Butte Creek Summit S	20H3a Dismal Swamp (Cal) 31 48H 16E 7200 8S 22E 3930 21E16 New Outchman Flat #2 21 18S 9E 6400 Luckiamute River 20G5MP Outchman Flat #2 21 18S 9E 6400 Luckiamute River 20G6MP Outchman Flat #2 21 18S 9E 6400
18019 High Ridge Pillow 31 1806P Lucky Strike 28	15 3SE 4150 21F3 Tangent 28 18S 10E 5400 23E2 Laurel Mountain 6 8S 7W 3000 20F3 Strawberry 4 40S 16E 5760 21E15 Three Creeks Butte 27 16S 9E 5200 23E3 Valsetz Summit 3 9S 7W 2600 20G9AP Strawberry 4 40S 16E 5760 20G9AP STRAWBERT 4 40S 16E 5760 20G9AP STR
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Lower John Day 18016 81ue Mountain Camp 35	4N 37E 4300 Crooked River 27 36S 19E 5900 20615a 8ear Flat Meadow 27 36S 19E 5900 20618a Colvin Creek 12 36S 21E 6550 20618a Colvin Creek 12 26S 21E 6550 20618a Colvin Creek
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Lower 1902 SNOW COURSE ONLY	19F1* Snow Mountain 1 19S 26E 6220 23G4P Althouse 17 41S 7N 4530 19E4 Tamarack 8 15S 25E 4800 2266 Annie Spring 19 31S 6E 6018 22628 8eaver Dam Creek 1 38S 4E 5100 Summer Lake
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200 No. 20010 22015 22015 22010 22010 2000 2000	Sondy River 22F27 Red Butte No. 5 20 27S TW 2500 18F6a: Buck Pasture 28 29S 35F 5300
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Oregon State Engineer and Corps of State Watermasters

Oregon State Highway Engineers

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Douglas County Water Resources Survey

FEDERAL

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Cooperative Extension Service

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Soil Conservation Service

Department of Commerce

NOAA, National Weather Service

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